



L Number	Hits	Search Text	DB	Time stamp
2	215	carrier adj leak	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 07:28
3	1	(mutual adj modulation adj distortion) and (carrier adj leak)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 07:28
4	5059	vary\$5 adj level	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 07:46
6	0	(vary\$5 adj level) and (base adj band adj signal adj generator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 07:46
1	101	mutual adj modulation adj distortion	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 07:47
5	44	base adj band adj signal adj generator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 08:15
7	4908	carrier near2 generator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 08:15
8	123	base adj band near2 generator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 08:16
9	13	(carrier near2 generator) and (base adj band near2 generator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 09:03
10	2113	375/224	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 09:07
11	3	(vary\$5 adj level) and 375/224	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 09:04
12	2354	375/295	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 09:09
13	12	(vary\$5 adj level) and 375/295	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 09:08
14	836	375/298	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/04 09:09

15	0	(vary\$5 adj level) and 375/298	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/10/04 09:09
-	23770	tsuchiya.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/10/02 11:47
-	174	tsuchiya-masahiro.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/10/02 11:49
-	1	kanazawa-norimasa.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/10/02 11:48
-	29	kobayashi-mari.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/10/02 11:49
-	174	tsuchiya.in. and tsuchiya-masahiro.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/10/04 07:26

## DIGITAL MODULATION SIGNAL GENERATOR

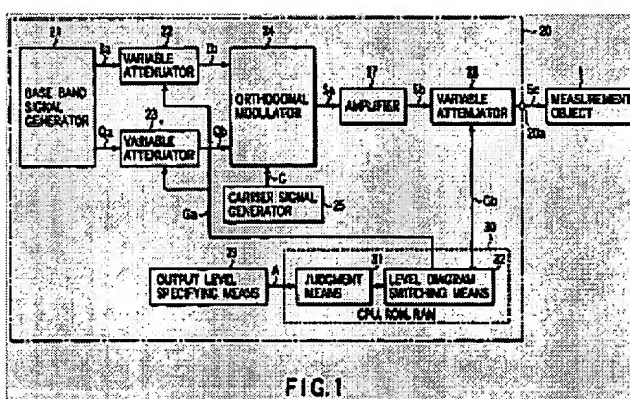
**Patent number:** EP1146707  
**Publication date:** 2001-10-17  
**Inventor:** SAEKI HIROSHI (JP); KINASE JUN (JP)  
**Applicant:** ANRITSU CORP (JP)  
**Classification:**  
 - International: H04L27/20; H04J11/00  
 - european: H04L27/36B3, H04L27/26M3  
**Application number:** EP20000970235 20001031  
**Priority number(s):** WO2000JP07660 20001031; JP19990315903 19991105

Also published as:

 WO0135589 (A1)  
 JP2001136216 (A)

### Abstract of EP1146707

In the present invention, with respect to a digital modulation signal outputted from an output terminal, in order to enable desired carrier leak characteristics to be compatible with desired mutual modulation distortion characteristics according to a measurement object, a first level varying member is provided between an amplifier and an output terminal. In addition, a second level varying member is provided between a base band signal generator and an orthogonal modulator. The first and second level varying members are respectively set to be predetermined attenuation quantity values based on an output level value of a digital modulation signal specified by an output level specifying member and the judgment result caused by a judgment portion.



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.. In case of narrow frequency intervals among channels such as mobile phones, non-linearity of amplification of the circuit causes **mutual modulation distortion**. ...  
[www.keycom.co.jp/eproducts/mmp/mmp5/page.html](http://www.keycom.co.jp/eproducts/mmp/mmp5/page.html) - 26k - [Cached](#) - [Similar pages](#)

**Compact CATV tuners for digital cable set-top boxes**

.. advantage of Murata's microwave technologies, the design improves the distortion characteristics of the splitter circuit (**mutual modulation distortion**: 70 dB ...  
[dataweek.co.za/news.asp?pkINewsID=11770&pkIissueID=348&pkICategoryID=42](http://dataweek.co.za/news.asp?pkINewsID=11770&pkIissueID=348&pkICategoryID=42) - 28k - [Cached](#) - [Similar pages](#)

**PDF] Agilent How to Characterize CATV Amplifiers Effectively**File Format: PDF/Adobe Acrobat - [View as HTML](#)

.. For example, if **mutual modulation distortion** appears on two signals; 131.25 MHz (f1) and 137.25 MHz (f2), then 125.25 MHz (2f1-f2), the signal in the adjacent ...  
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**Bandwidth Market, Ltd**

.. To this end, a micro-wave power amplifier is required to have low **mutual modulation distortion** and be superior in linearity, in order to avoid exerting harmful ...  
[www.bandwidthmarket.com/resources/patents/apps/2002/6/20020067212.html](http://www.bandwidthmarket.com/resources/patents/apps/2002/6/20020067212.html) - 101k - Supplemental Result - [Cached](#) - [Similar pages](#)

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... The second-order **mutual modulation distortion** generated by the optical fiber amplifier is obtained by multiplying the gain tilt by the degree of chirping: IM2 ...  
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## Web

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### Digital, Analog, And Vector Modulation Merge

.. Thanks to the **attenuator**, test-system downtime is kept to a minimum. ... To reduce vector errors and guarantee low **carrier leak** at all operating frequencies, user ...

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.. The use of an electronic **attenuator** ensures that test system down time is kept ... be quickly optimized to reduce vector errors and ensure low **carrier leak** at all ...

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... Electronic **Attenuator** An electronic **attenuator** option is available to meet demanding extended life ... from 0 to  $\pm 10$  dB in 0.1 dB steps **Carrier leak** from 0 to 10 ...

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### Federal Standard 1037C

.. carrier; carrier (cxr); carrier dropout; carrier frequency; **carrier leak**; carrier level; ... cutback technique; cutoff **attenuator**; cutoff frequency; cutoff mode; cutoff ...

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### bits per inch bits per second 0intelligent0network intelligent ...

... coefficient attenuation constant attenuation-limited operation **attenuator** audible ringing ... cxr) carrier dropout carrier frequency **carrier leak** carrier level ...

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### [1 Glossary 2000

.. **carrier leak**; carrier level; carrier multiplex; carrier noise level; carrier power ... cutoff **attenuator**; cutoff frequency; cutoff mode; cutoff wavelength; cutover; ...

www.atis.org/tg2k/all\_c.html - 86k - [Cached](#) - [Similar pages](#)

### Fading Simulator SOFI 05 Radio Channel Simulator

.. Extra **attenuator** 0-127 dB 450-3000 MHz for all channels, handover and level ... spurious at 16 MHz processing band, >47 dBc (->60 dBm) includes **carrier leak** and I/Q ...

www.sofimation.com/sofi05.htm - 11k - [Cached](#) - [Similar pages](#)

### Selective Level Meter

.. a narrow band filter with a bandwidth of 20Hz for measuring **carrier leak**, crosstalk and non ... **Attenuator** Error Referred to the 0 dB range at 10KHz,  $< \pm 0.25$  dB. ...

www.aplab.com/tmi/2039-1.htm - 24k - [Cached](#) - [Similar pages](#)

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.. for noise measurements – a narrow band filter with a bandwidth of 20 Hz for the measuring of **carrier leak**, crosstalk and non ... 0.15 dB **Attenuator** error referred ...

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... as well as the type of the measurement (channel, **carrier leak**, pilot, etc ... selection - 20Hz/1.74kHz bandwidth selection - nx 10 dB **attenuator** setting - nx ...  
www.elektronika.hu/angol/aprodov/et110/et110m.pdf - [Similar pages](#)

### islander

.. a very primitive but effective **attenuator**... From the balanced modulator the DSB plus a little **carrier leak** that is always there) drives the rig's one or two ...  
www.radiohc.org/Distributions/Dxers/islander.html - 9k - [Cached](#) - [Similar pages](#)

### Список аббревиатур, сокращений и ...

.. **Attenuator**, аттенюатор. ... **Carrier leak**, неподавленная (остаточная) несущая частота. CASS (cassette), кассета. ...  
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.. tion power amplifier RF high level output RF Output Step **attenuator** RF Output ... filter mode: EVM, Option 42: RF high level output Off **Carrier leak** ≤ - 30 dBc ...  
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### Business Wire: IFR Unveils the 3410 Series: The New Face of ...

.. dBm (Electronic **Attenuator**) -140 dBm to +19 dBm (Mechanical **Attenuator**) Resolution: 0.01 ... DC Vector Accuracy: EVM less than 1 %Residual **carrier leak** less than ...  
www.findarticles.com/cf\_dls/m0EIN/ 2002\_Oct\_3/92425303/p2/article.jhtml?term= - 15k - Supplemental Result - [Cached](#) - [Similar pages](#)

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.. tion power amplifier RF high level output RF Output Step **attenuator** RF Output ... multiplex: 1 signal, filter mode: EVM **Carrier leak** ≤ - 30 dBc ( ≤0 dBm, 18 ...  
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.. 146 dBm/Hz (1 MHz to 2.5 GHz) Input **attenuator**: 0 to ... function Modulation accuracy (RMS, Peak), Phase error, Carrier frequency, **Carrier leak**, Constellation, EVM ...  
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.. attenuation of signals above 3 kHz, including hiss, high-pitched splatter, and **carrier leak** through. ... Turn the preamp and **attenuator** off using PRE / ATTN. ...  
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### English - Netherlands

.. dempingsmassa damping compound dempingsregelaar **attenuator** dempingstest attenuation test ... carrier colour signal draaggolflek **carrier leak** draaggolflijn carrier ...

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### English - Netherlands

... capaci-tester capaci-tester capacitive **attenuator** capacitive signaalverzwakker ...  
 drageraanduiding carrier language dragertaal **carrier leak** draaggolflek carrier ...

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### 엠포스(empas) > 정보통신용어사전 검색결과

.. 광감쇠기 [ 光減衰器, optical **attenuator** ]. 고정형 등이 있다. ... 반송파 누설

조정기 [ 搬送波漏洩調整器, **carrier leak** balancer ]. ...

[idic.empas.com/view.tsp/?q=%B0%A1%BA%AF%C0%DA%BA%BB&qn=&m=B](http://idic.empas.com/view.tsp/?q=%B0%A1%BA%AF%C0%DA%BA%BB&qn=&m=B) - 39k - Supplemental Result - [Cached](#) - [Similar pages](#)

### QRP-L 980401: The Cuban "Islander" Rig de CO2KK

.. a very primitive but effective **attenuator**... just a 10 k potentiometer ! ... From the balanced modulator the DSB ( plus a little **carrier leak** that is always there ...

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Sundström Department of Applied Electronics Lund University ...

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.. **attenuator** optical **attenuator** fixed **attenuator** cutoff **attenuator** chip clipper ... M ( )]

sponsivity spectral responsivity D1 **carrier leak** resolution transverse ...

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